



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 138296

TO: Shailendra Kumar
Location: 5c03 / 5c18
Saturday, November 20, 2004
Art Unit: 1621
Phone: 272-0640
Serial Number: 10 / 765602

From: Jan Delaval
Location: Biotech-Chem Library
Rem 1A51
Phone: 272-2504

jan.delaval@uspto.gov

Search Notes

Jan Please

Access DB# 138296

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: S. Kumar Examiner #: 64544 Date: 11/19/04
Art Unit: 1623 Phone Number: 202-20640 Serial Number: 101765602
Mail Box and Bldg/Room Location: REM 5C03 Results Format Preferred (circle): PAPER DISK E-MAIL
5C18

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

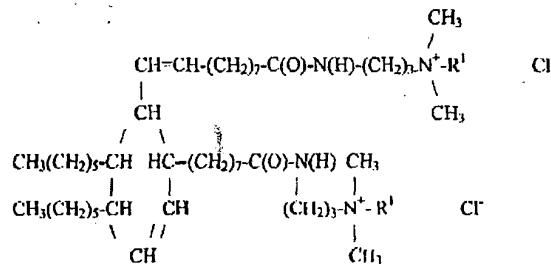
Title of Invention: Dimer amido Propyl dimethyl quaternary compounds

Inventors (please provide full names): Anthony J. O'Lenick Jr. et al.

Earliest Priority Filing Date: 1/28/2004

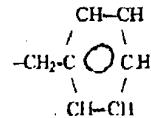
For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Claim 1 (Amended). A quaternary compound conforming to the following structure:



wherein;

R^1 is selected from the group consisting of $-CH_3$, $-CH_2-CH(OH)CH_2OH$ and



Claim 2 (Original). A quaternary compound of claim 1 wherein R¹ is -CH₃.

Claim 3 (Cancel)

Searcher Phone #: <u>22504</u>	AA Sequence (#):	Dialog
Searcher Location:	Structure (#):	Questel/Orbit
Date Searcher Picked Up: <u>4/1/20</u>	Bibliographic	Dr. Link
Date Compiled: <u>4/1/20</u>	Litigation	Lexis/Nexis
Searcher Prep / Review Time:	Fulltext	Sequence Systems
Clerical Prep Time: <u>10</u>	Patent Family	WWW/Internet
Online Time: <u>+10</u>	Other	Other (specify):

=> fil reg
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 NOV 2004 HIGHEST RN 784112-11-4
DICTIONARY FILE UPDATES: 18 NOV 2004 HIGHEST RN 784112-11-4

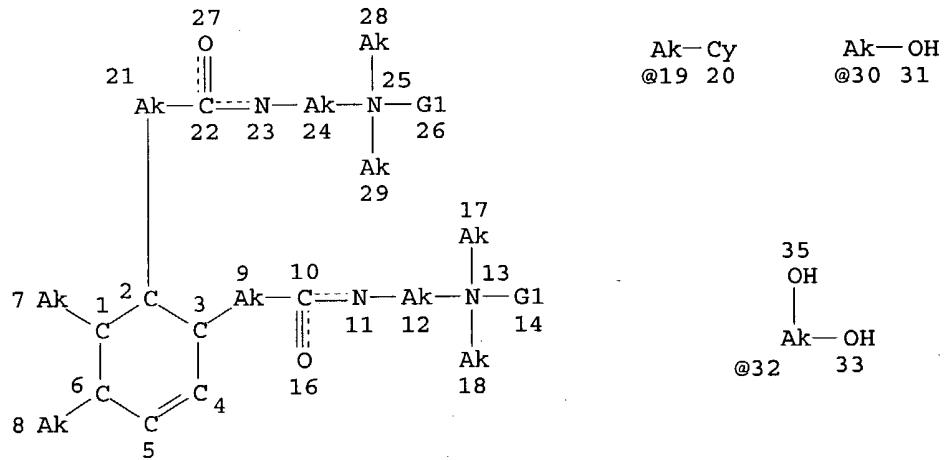
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d sta que 16
L3 STR



VAR G1=AK/30/32/19

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CONNECT IS M1 RC AT 20

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

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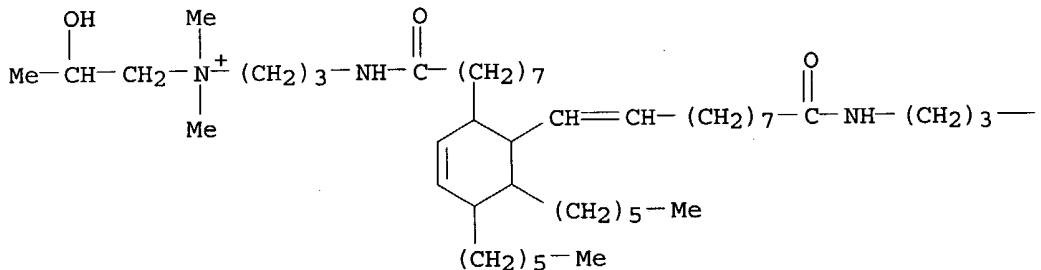
L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 147831-24-1 REGISTRY
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SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: USES (Uses)

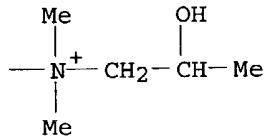
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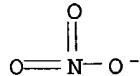


PAGE 1-B



CM 2

CRN 14797-55-8
CMF N 03



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 118:256656

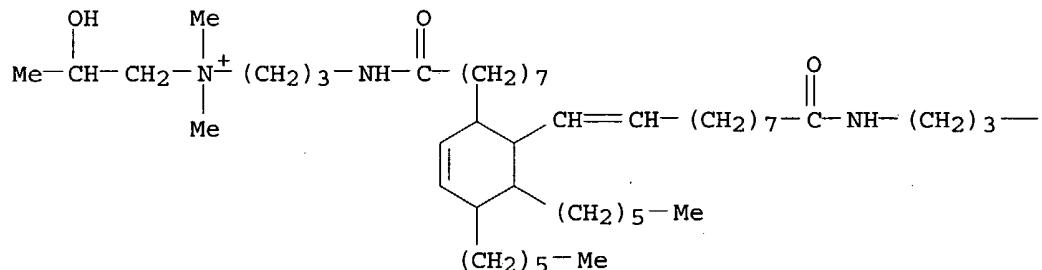
L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

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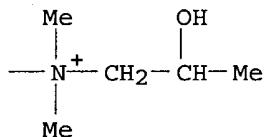
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NAME)
 FS 3D CONCORD
 MF C52 H102 N4 O4
 CI COM
 SR CA

PAGE 1-A



PAGE 1-B



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FILE 'REGISTRY' ENTERED AT 16:43:26 ON 20 NOV 2004

SET COST OFF

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 L4 1 S L3 CSS SAM
 L5 4 S L3 CSS FUL
 SAV L5 KUMAR765/A
 L6 2 S L5/COM

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L7 0 S L6

FILE 'HCAPLUS' ENTERED AT 16:49:29 ON 20 NOV 2004

L8 1 S L6

FILE 'USPATFULL, USPAT2' ENTERED AT 16:50:00 ON 20 NOV 2004

L9 0 S L6

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=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 16:50:20 ON 20 NOV 2004

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FILE COVERS 1907 - 20 Nov 2004 VOL 141 ISS 22
FILE LAST UPDATED: 18 Nov 2004 (20041118/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 18 all hitstr

L8 ANSWER 1 OF 1 HCPLUS COPYRIGHT 2004 ACS on STN
AN 1993:256656 HCPLUS
DN 118:256656
ED Entered STN: 26 Jun 1993
TI Coating of plastic moldings after treatment with quaternary ammonium compound
IN Akeboshi, Koji; Uohashi, Hiromichi; Shimizu, Shigeru; Hayashibe, Kunihiko
PA Nihon GE Plastics, Ltd., Japan; Yoshimura Oil Chemical Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C08J007-04
ICS B05D003-10; B05D007-02
CC 42-2 (Coatings, Inks, and Related Products)
Section cross-reference(s): 46

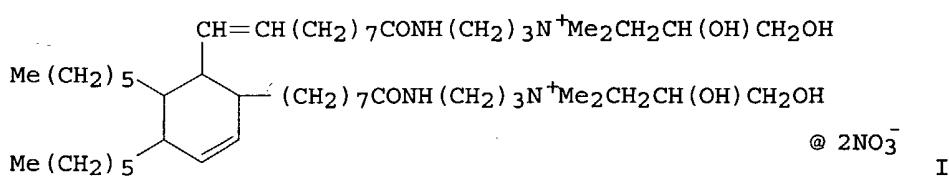
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 04202336	A2	19920723	JP 1990-333351	19901129
PRAI JP 1990-333351		19901129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 04202336	ICM	C08J007-04
	ICS	B05D003-10; B05D007-02

GI



AB Plastic moldings such as automobile bumpers or bodies are treated with surfactants containing ≥30% (non)cyclic dimer or trimer acid-based quaternary ammonium compds. before coating with primers to ensure low surface resistivity and give smooth top coatings. A GTX 6006

(polyamide-polyoxyphenylene blend) molding was soaked in aqueous H₃PO₄, washed with water, dried, soaked in iso-PrOH containing 1% I (Elic PS 920), and dried at 75° to give a sheet with resistivity 2.3 + 108 Ω-cm initially and 7.7 + 108 Ω-cm after 30 min at 160°, vs. 6.8 + 108 and 1012, resp., with C₁₇H₃₅CONH(CH₂)₃N+Me₂CH₂CH₂OH NO₃- instead of I.

ST dimer acid ammonium surfactant primer; trimer acid ammonium surfactant primer; automobile coating primer surfactant pretreatment; bumper automobile coating surfactant

IT Surfactants
(ammonium compds., plastic moldings treated by, for primer and topcoat smoothness)

IT Coating process
(of plastic moldings, surfactant treatment in, for primer and topcoat smoothness)

IT Automobiles
(bumpers, coating of, ammonium surfactant in, for primer and topcoat smoothness)

IT 147831-24-1
RL: USES (Uses)
(surfactants, plastic moldings pretreated by, for primer and topcoat smoothness)

IT 147831-24-1
RL: USES (Uses)
(surfactants, plastic moldings pretreated by, for primer and topcoat smoothness)

RN 147831-24-1 HCAPLUS

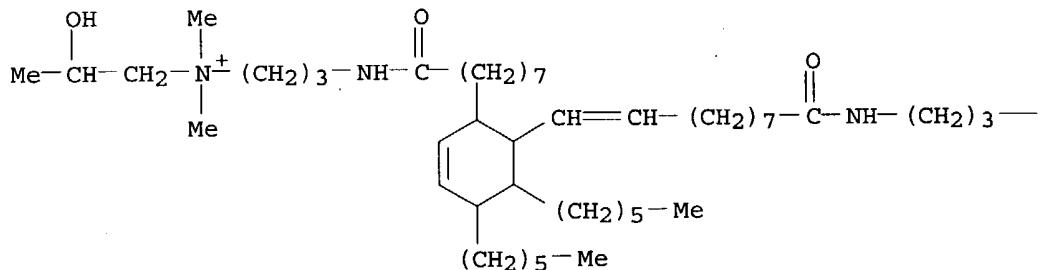
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CM 1

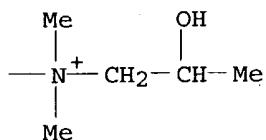
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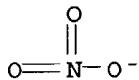
PAGE 1-A



PAGE 1-B



CM 2

CRN 14797-55-8
CMF N O3

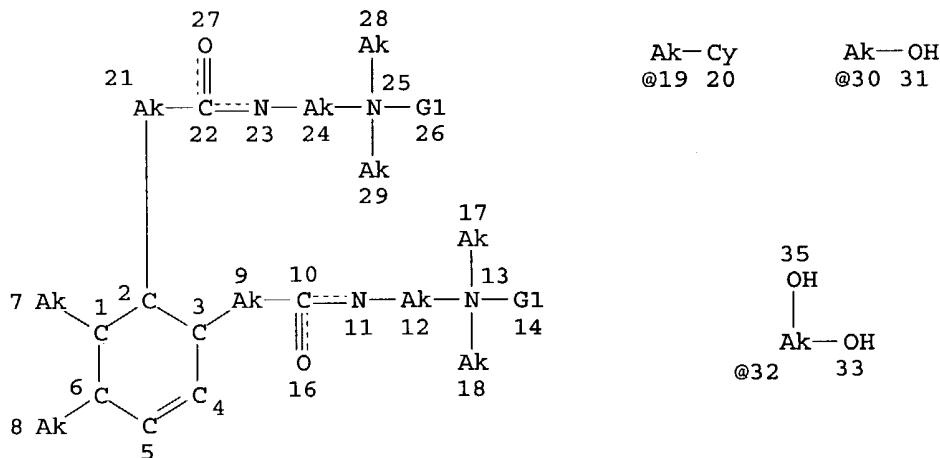
=> => fil marpat
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FILE CONTENT: 1988-PRESENT (VOL 141 ISS 20) (20041112/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
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US 6787678 07 SEP 2004
DE 10309682 09 SEP 2004
EP 1457483 15 SEP 2004
JP 2004247640 02 SEP 2004
WO 2004083203 30 SEP 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> d sta que
L3 STR

VAR G1=AK/30/32/19

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 20

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

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=> => fil beil

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FILE RELOADED ON OCTOBER 20, 2002

FILE LAST UPDATED ON NOVEMBER 3, 2004

FILE COVERS 1771 TO 2004.

*** FILE CONTAINS 9,073,068 SUBSTANCES ***

>>> PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN). <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

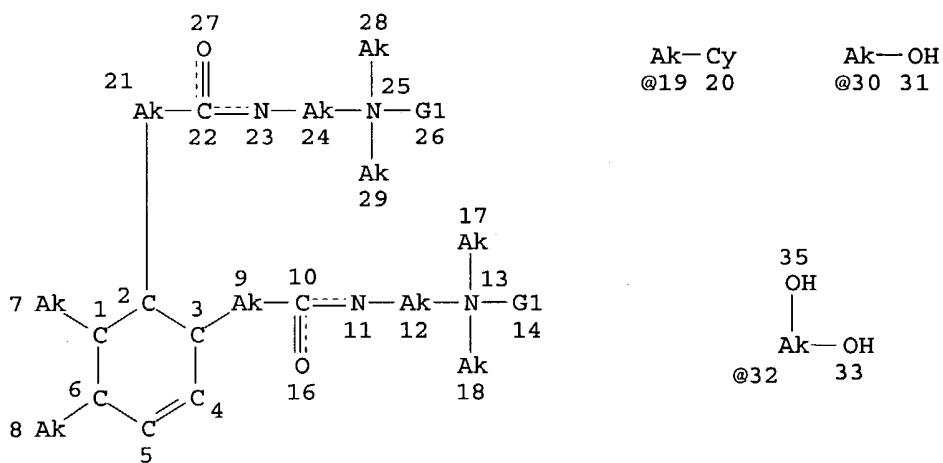
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* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE, THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
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NEW
* PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE
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* NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES,
ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A
COMPOUND AT A GLANCE.

=> d sta que

L3

STR



VAR G1=AK/30/32/19

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 20

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

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NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

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L5 4 S L3 CSS FUL

SAV L5 KUMAR765/A

L6 2 S L5/COM

FILE 'HCAOLD' ENTERED AT 16:49:26 ON 20 NOV 2004

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FILE 'HCAPLUS' ENTERED AT 16:49:29 ON 20 NOV 2004

L8 1 S L6

FILE 'USPATFULL, USPAT2' ENTERED AT 16:50:00 ON 20 NOV 2004

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SAV L11 KUMAR765A/A

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L14 0 S L11 CSS FUL

SAV L14 KUMAR765B/A

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